

2  
A  
Sub  
C2

1. (Amended) An apparatus for protecting a circuit from a transient event, comprising:

a signal transfer circuit arranged to receive a supply signal and output a first signal during normal operation to a pin of the circuit and to a charge storage circuit,

the charge storage circuit arranged to receive the first signal during normal operation and output a second signal to provide power during the transient event to the pin of the circuit, the charge storage circuit storing enough charge to provide the second signal during the transient event.

8. (Amended) An apparatus for protecting a circuit from a transient event, comprising:

a signal transfer circuit arranged to receive a supply signal and output a first signal during normal operation;

a charge storage circuit arranged to receive a bias signal and the first signal, the charge storage circuit providing a second signal that provides power during the transient event; and

an inverting circuit arranged to receive the first signal, second signal, and the bias signal, the inverting circuit coupled to a pin of the circuit, the inverting circuit arranged to hold the pin of the circuit high during a startup of the circuit, and low during the transient event and during normal operation.

11. (Amended) The apparatus of Claim 8, wherein the signal transfer circuit is a diode circuit.

12. (Amended) The apparatus of Claim 8, wherein the signal transfer circuit is a transistor circuit.

14. (Amended) An apparatus for protecting a logic pin of a circuit from changing logic states during a transient event, comprising:

a complementary switch that is arranged to receive an input logic signal and output an output logic signal during normal operation; and

a charge storage circuit coupled to the complementary switch and arranged to provide a secondary logic signal during the transient event.

17. (Amended) A method for rejecting a transient event from a circuit, comprising: receiving a supply signal;

monitoring the supply signal for the transient event;

determining when the circuit is in normal operation, and when the transient event is occurring:

providing a first signal from a signal transfer circuit to a pin of the circuit when it is determined that the circuit is in normal operation, and

providing a second signal from a charge storage circuit that provides power to the pin of the circuit when it is determined that the transient event is occurring.

18. (Amended) An apparatus for protecting a pin of a circuit during a transient event, comprising:

a means for receiving a supply signal;

a means for monitoring the supply signal to determine the transient event;

a means for determining when the circuit is in normal operation and when the transient event is occurring:

a means for providing a first signal from a signal transfer circuit to a pin of the circuit when it is determined that the circuit is in normal operation, and

a means for providing a second signal from a charge storage circuit that provides power to the pin of the circuit when it is determined that the transient event is occurring.

Please add new Claims 19 and 20 as follows:

19. (New) The apparatus of Claim 1, wherein the signal transfer circuit is further configured to prevent the stored charge of the charge storage circuit from falling below a level required to power the pin of the circuit.

20. (New) The apparatus of Claim 19, wherein the signal transfer circuit further comprises a transistor circuit having a body connection coupled to the pin of the circuit.